SYSTEM AND METHOD FOR GENERATING MACHINE-LANGUAGE CODE FROM READABLE TEXT CODE FOR MESSAGE FILTERING

ABSTRACT OF THE INVENTION

5   A system and method for generating and executing machine-language filter code. A filter generator receives a text-based filter string. The filter string contains filter criteria for filtering messages communicated from one computer program to another computer program or to the same computer program. A machine language generator converts the filter string to a machine-language filter code. A

10   central processing unit of a host loads and executes the machine-language filter code to process or discard messages based on the filter criteria. The machine-language filter code is maintained by the computer program for continual reuse eliminating the interpretation and translation of the filter string from data to code for each message.